High Speed Connector

Purpose: To assess the utility of commercially available High Speed Connector (HSC) to provide high speed, long range, and high-volume surface lift capabilities.

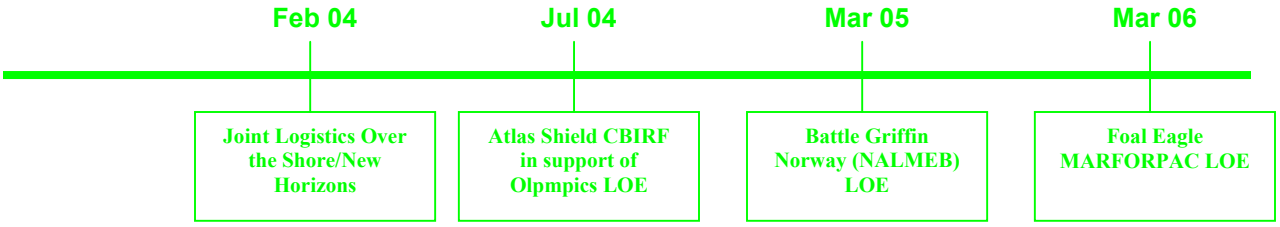
Background: The Marine Corps Combat Development Command, the Navy Warfare Development Command, and the United States Army Combined Arms Support Command, in conjunction with commercial industry, are cooperating in this effort. The Marine Corps goals are to explore the ability and compatibility of commercially available HSV with advanced hull, propulsion, and communications technology to support seabased operations.

Description: The Swift (HSV-2) is a 98-meter, 45 knot, dual hull, shallow draft, commercial catamaran that has been modified to meet military experimentation requirements for rotary wing aircraft, roll-on/roll-off vehicles, small boats, and a state-of-the art command and control system.

Current Marine Corps experimentation has been centered on its capabilities within the context of Expeditionary Maneuver Warfare. Future experimentation will address how to capitalize on high speed technologies as enablers to 1) enhance and extend operational reach of our current MPF capabilities, 2) capture lessons learned we can apply to integrating HSC capabilities in order to support MPF (F) operations, 3) capitalize on the HSC's littoral mobility capabilities for operational and logitcical support for Combatant Commanders. During FY04 planned experimentation will include use of the Swift in MPF/JLOTS and causeway exercises. Further experimentation will examine operational maneuver, including conduct of raids, sustainment, ESG support, and Human Assistance/Disaster Relief.

Deliverable Products: Experimental design for Marine Corps limited objective experiments (LOE), assessment reports and requirement documentation.

Milestones:



Action Officer: 784-1089